

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104710.D
 Acq On : 23 Apr 2018 15:34
 Operator : JU/SJ
 Sample : J2496-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 17:31:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	111240	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	400099	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	159226	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	209110	20.00	ng	0.02
75) Chrysene-d12	13.99	240	185135	20.00	ng	0.00
86) Perylene-d12	15.46	264	141589	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	590021	81.10	ng	0.02
7) Phenol-d6	6.46	99	685501	76.69	ng	0.01
23) Nitrobenzene-d5	7.37	82	365685	59.68	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	109951	66.57	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	669817	66.46	ng	0.00
78) Terphenyl-d14	12.94	244	490107	60.35	ng	0.02

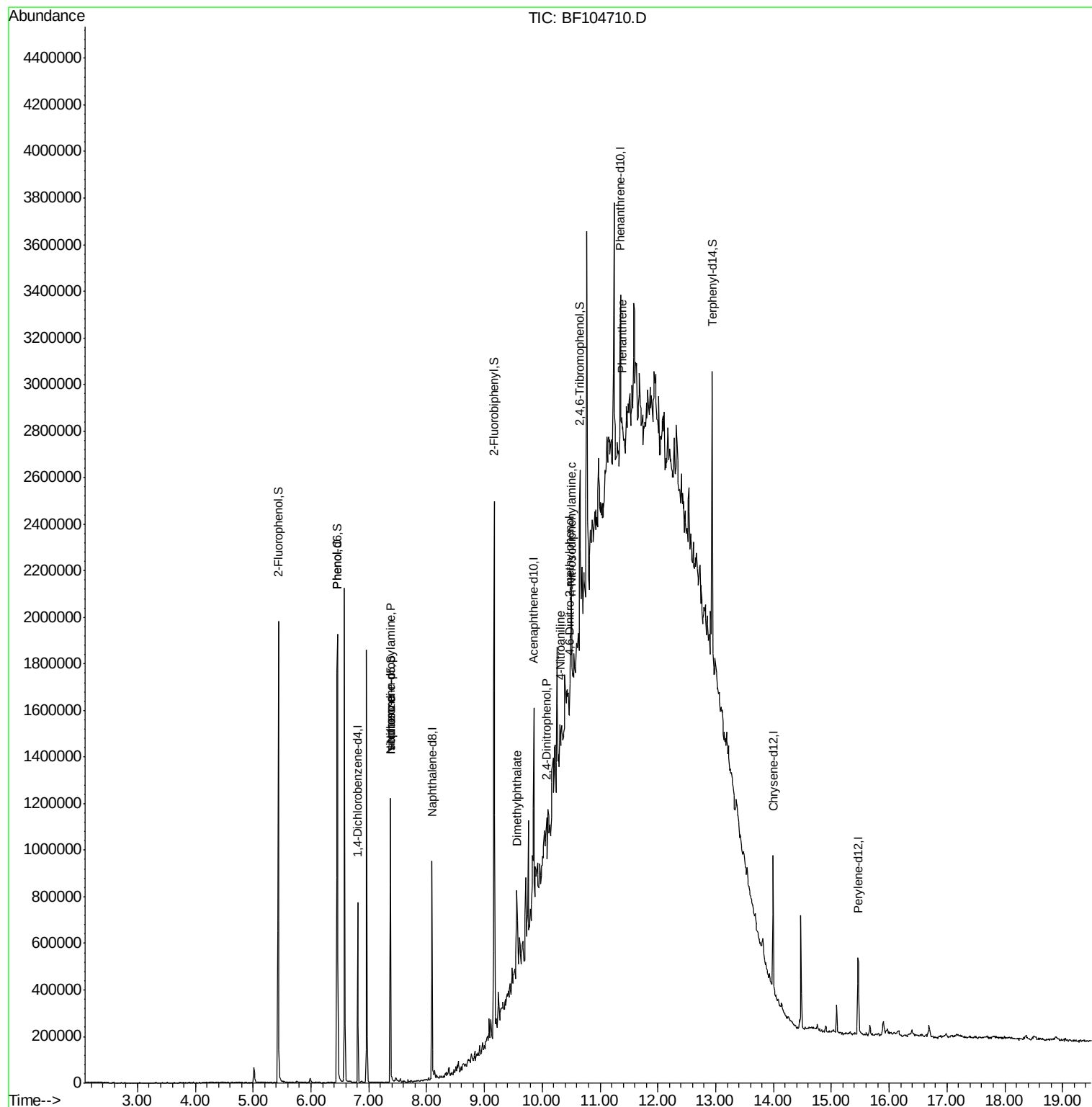
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	32812	3.460	ng	85
19) n-Nitroso-di-n-propylamine	7.37	70	48159	8.245	ng	# 72
25) Isophorone	7.37	82	365679	28.223	ng	# 64
49) Dimethylphthalate	9.56	163	53977	4.299	ng	# 96
53) 2,4-Dinitrophenol	10.06	184	909	6.552	ng	# 69
61) 4-Nitroaniline	10.31	138	7818	2.940	ng	# 88
64) 4,6-Dinitro-2-methylphenol	10.47	198	695	7.925	ng	# 1
65) n-Nitrosodiphenylamine	10.52	169	21914	3.022	ng	# 53
70) Phenanthrene	11.37	178	33704	2.894	ng	# 66
76) Benzidine	12.67	184	1077	Below Cal		# 1

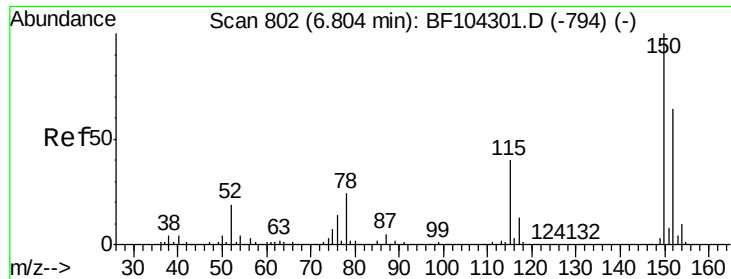
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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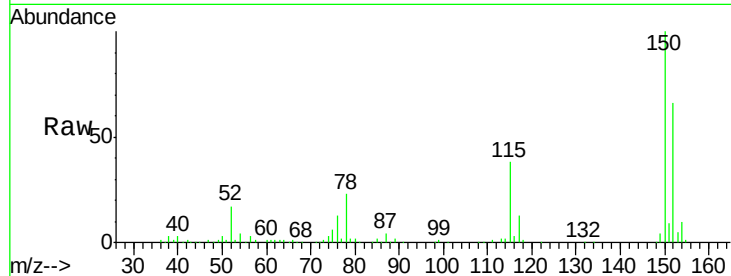


#1

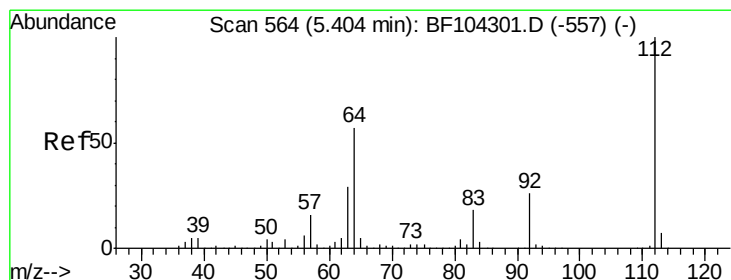
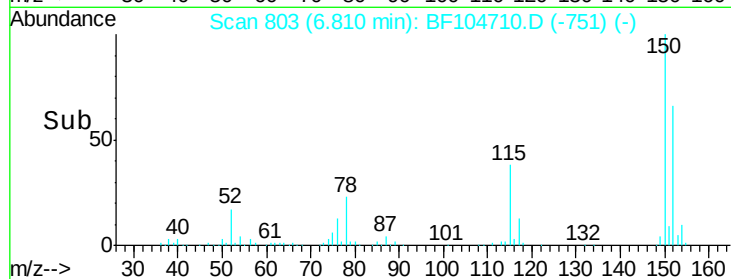
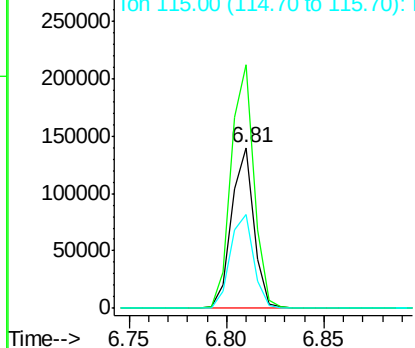
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104710.D
Acq: 23 Apr 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111240
Ion Ratio Lower Upper
152 100
150 151.8 124.6 186.8
115 58.4 50.1 75.1



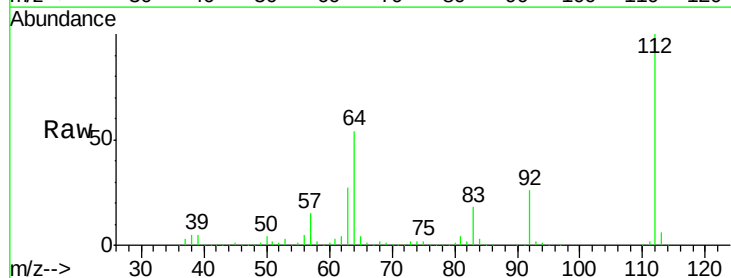
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



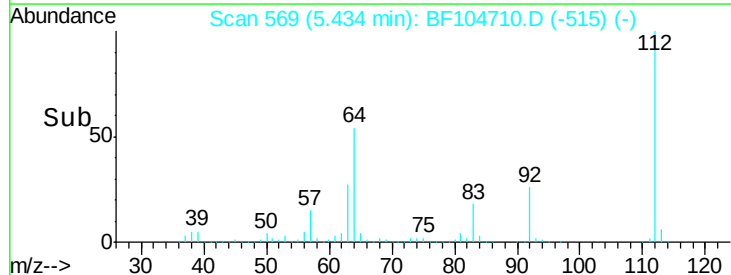
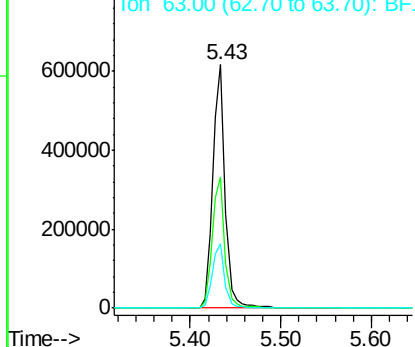
#5

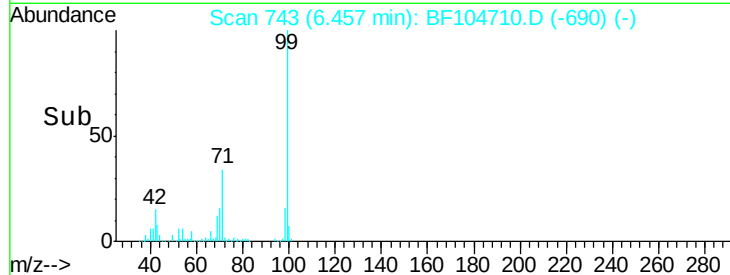
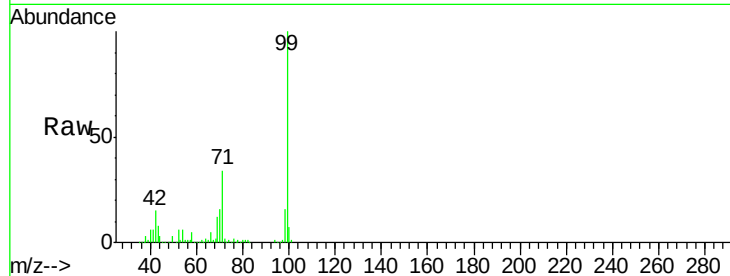
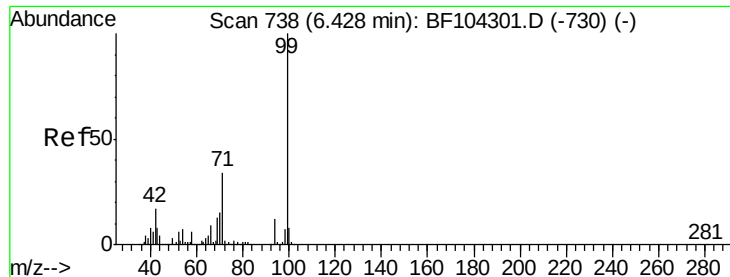
2-Fluorophenol
Concen: 81.102 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104710.D
Acq: 23 Apr 2018 15:34

Tgt Ion:112 Resp: 590021
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 26.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 76.689 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

Instrument :

BNA_F

ClientSampled :

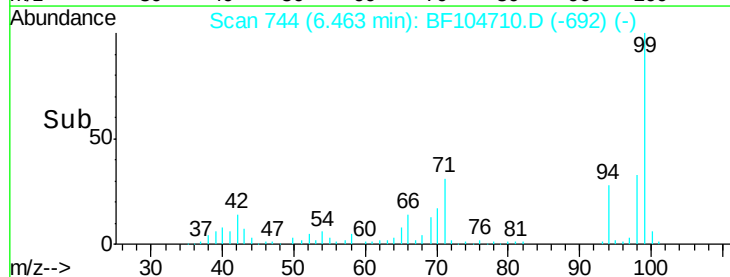
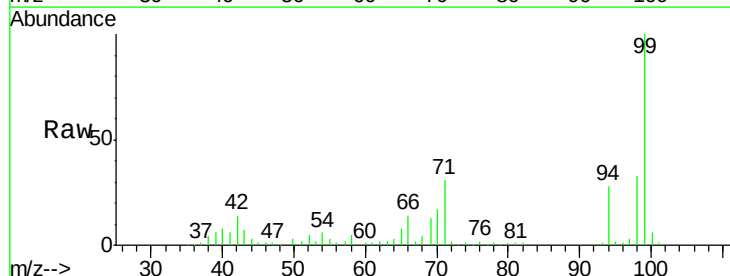
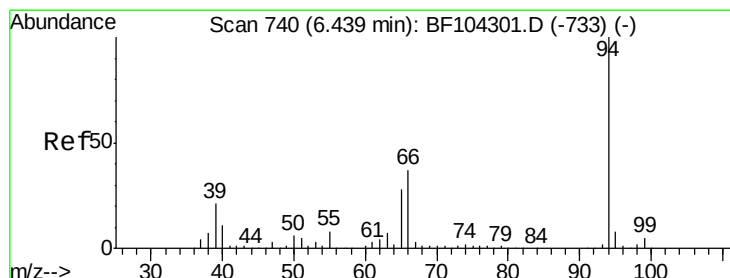
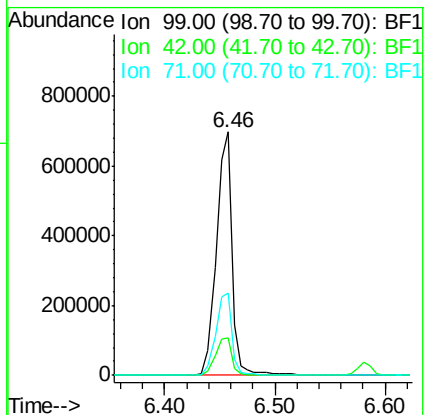
Tot Ion: 99 Resp: 685501

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 33.6 25.4 38.0



#10

Phenol

Concen: 3.460 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

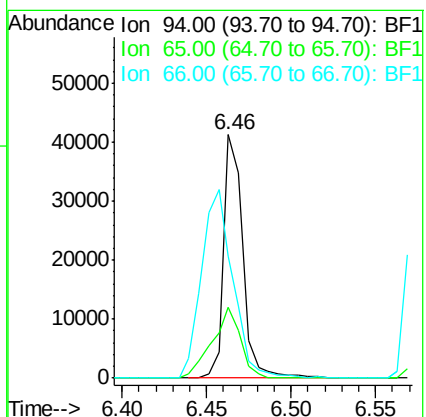
Tgt Ion: 94 Resp: 32812

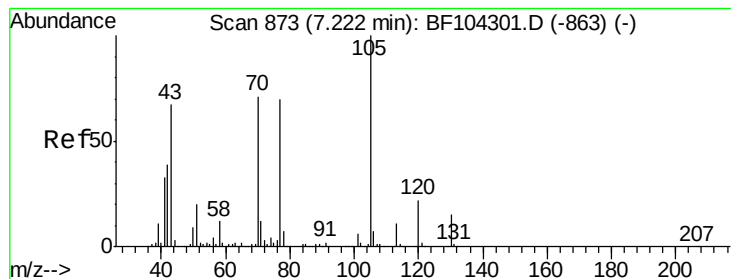
Ion Ratio Lower Upper

94 100

65 29.3 7.9 47.9

66 50.1 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 8.245 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 48159

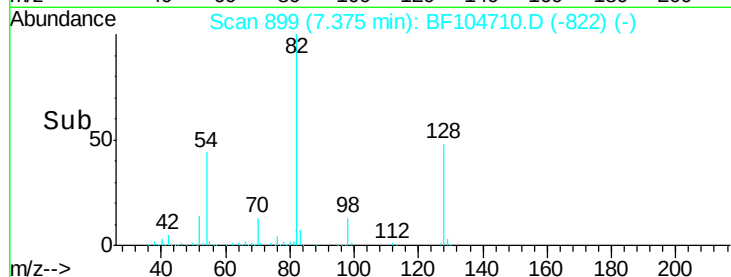
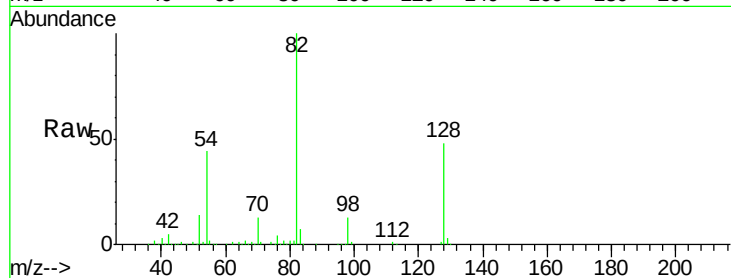
Ion Ratio Lower Upper

70 100

42 40.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

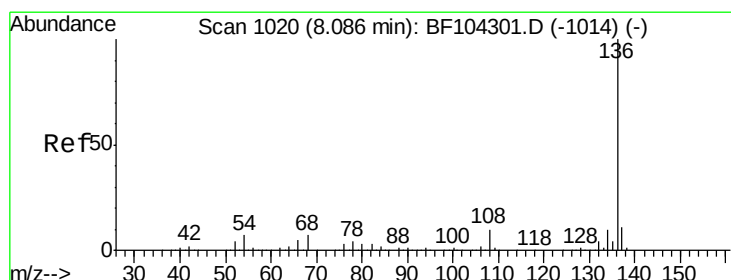
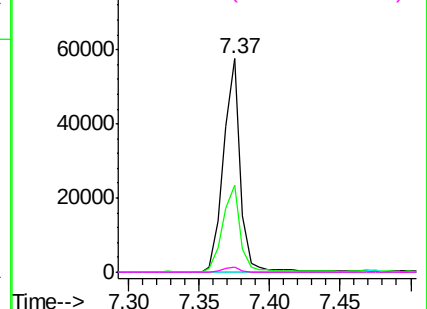


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

Tgt Ion: 136 Resp: 400099

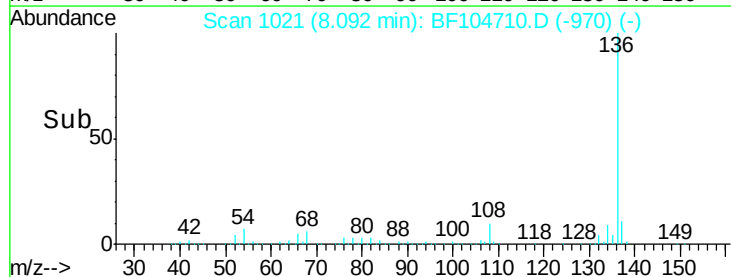
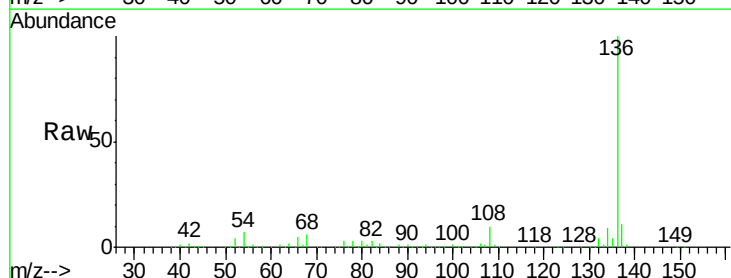
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.9 6.6 9.8

68 6.0 5.0 7.4

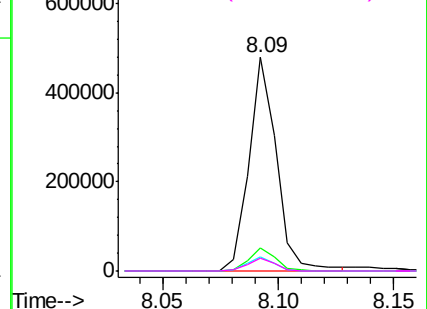


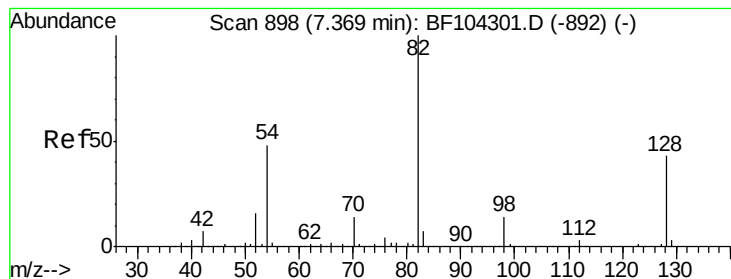
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 59.682 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

Instrument :

BNA_F

ClientSampled :

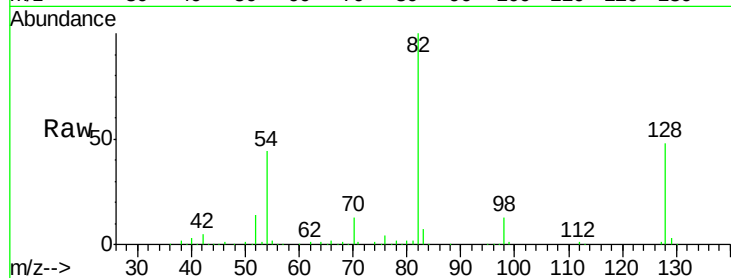
Tot Ion: 82 Resp: 365685

Ion Ratio Lower Upper

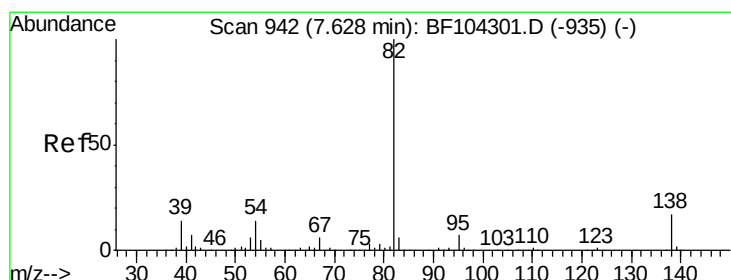
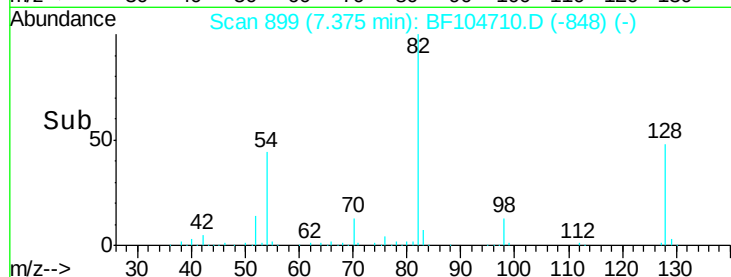
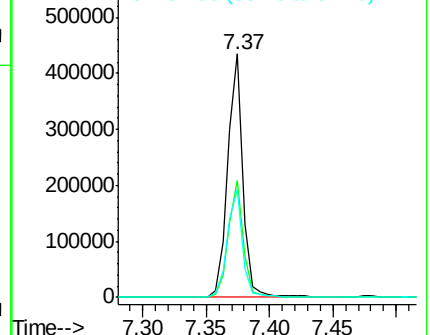
82 100

128 48.0 36.1 54.1

54 44.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 28.223 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

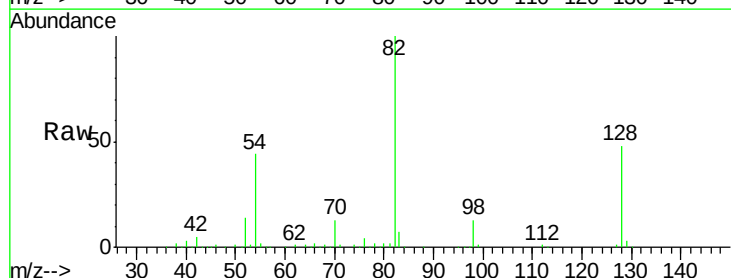
Tgt Ion: 82 Resp: 365679

Ion Ratio Lower Upper

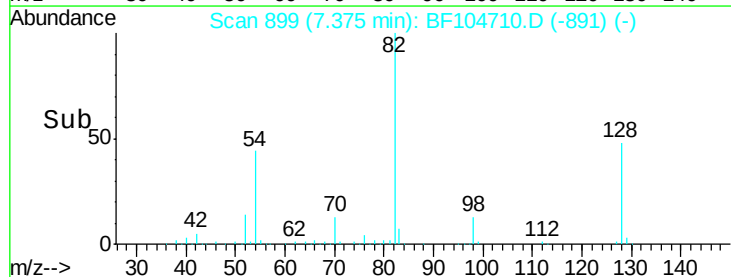
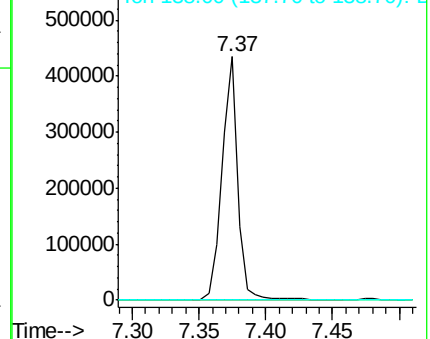
82 100

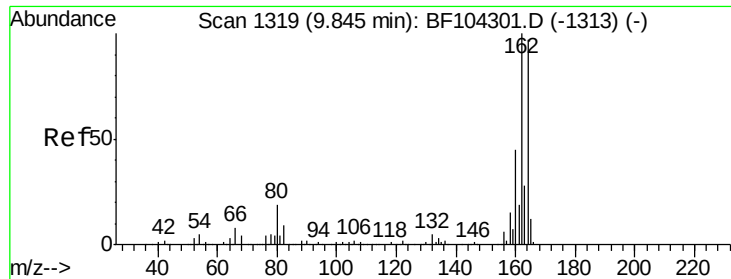
95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

Instrument :

BNA_F

ClientSampleId :

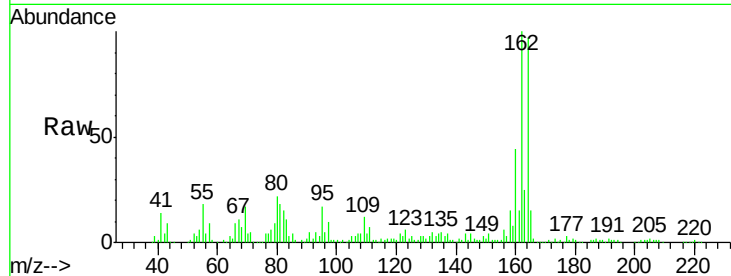
Tot Ion:164 Resp: 159226

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

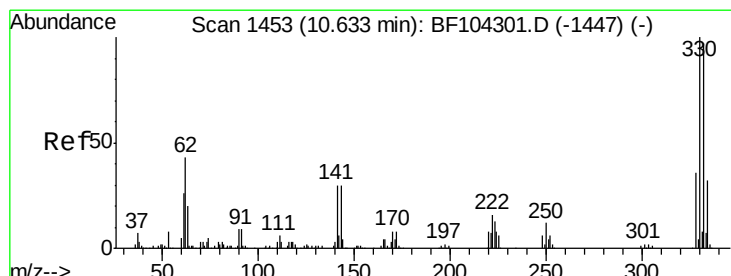
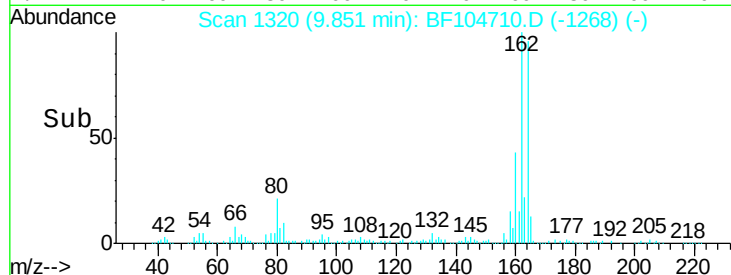
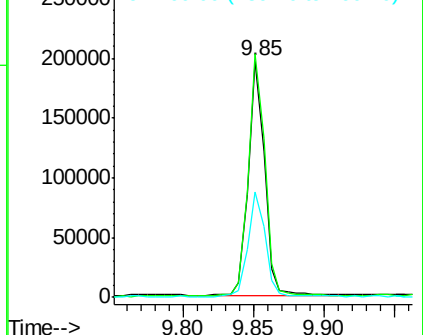
160 44.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 66.569 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

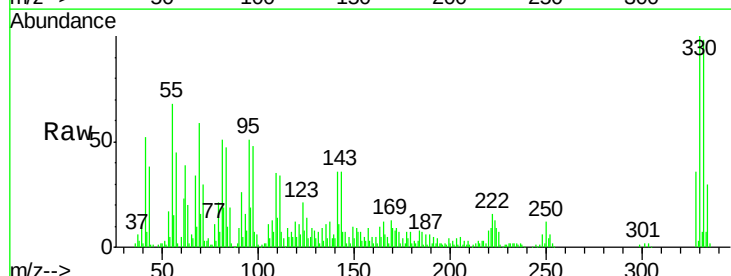
Tgt Ion:330 Resp: 109951

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

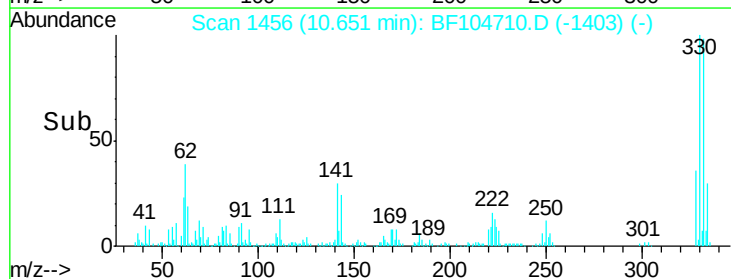
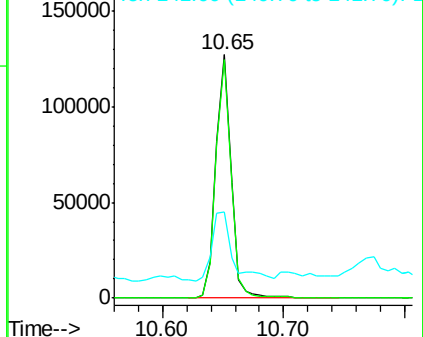
141 37.5 29.9 44.9

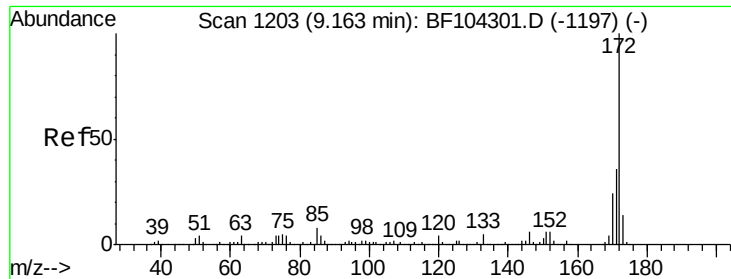


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

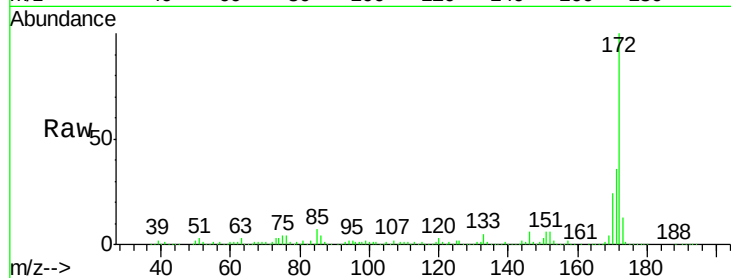




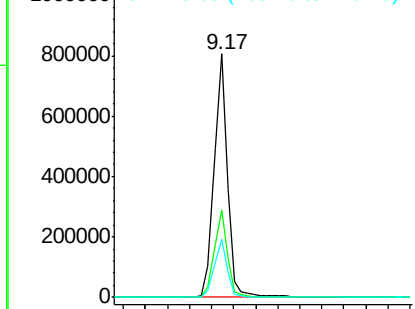
#44
2-Fluorobiphenyl
Concen: 66.456 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104710.D
Acq: 23 Apr 2018 15:34

Instrument :
BNA_F
ClientSampleId :

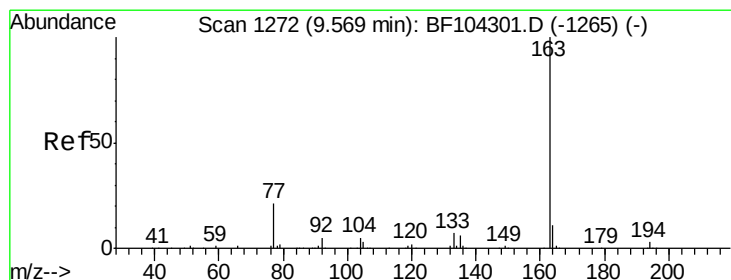
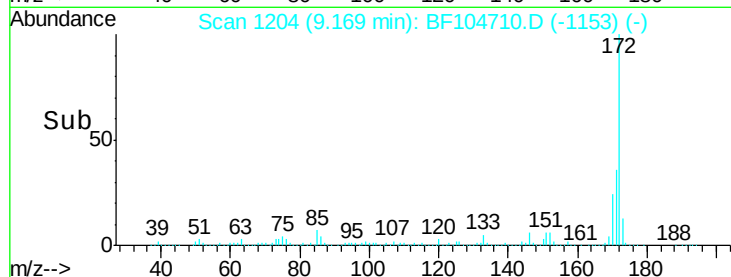
Tot Ion:172 Resp: 669817
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.6 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

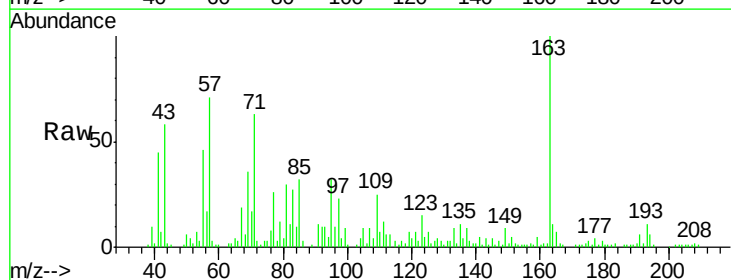


Time-->

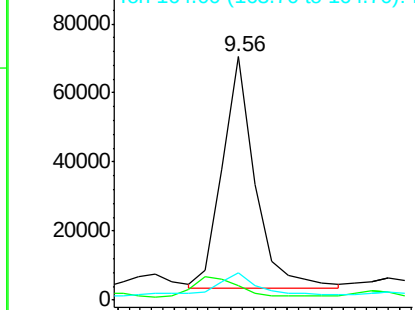


#49
Dimethylphthalate
Concen: 4.299 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104710.D
Acq: 23 Apr 2018 15:34

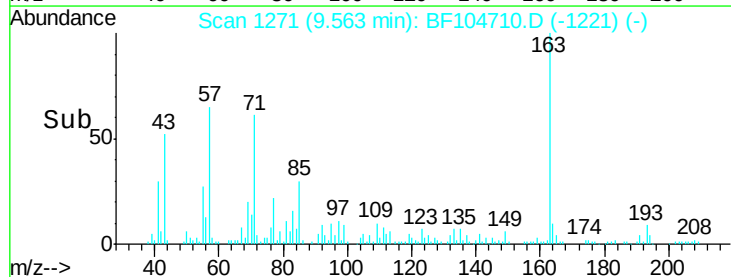
Tgt Ion:163 Resp: 53977
Ion Ratio Lower Upper
163 100
194 5.9 2.7 4.1#
164 11.2 8.2 12.2

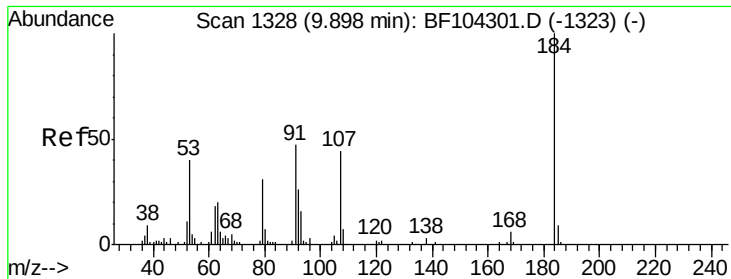


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->

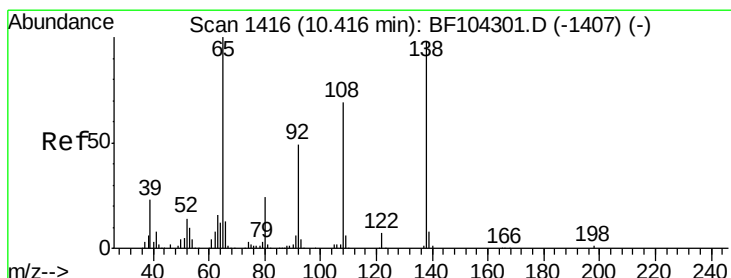
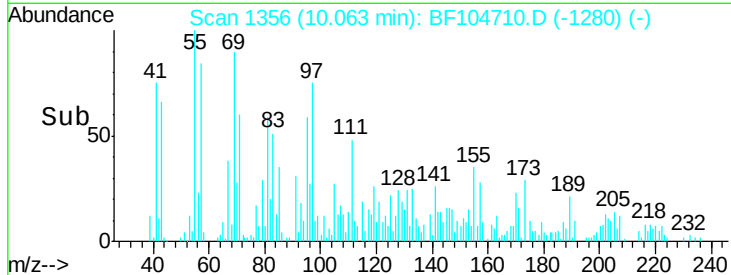
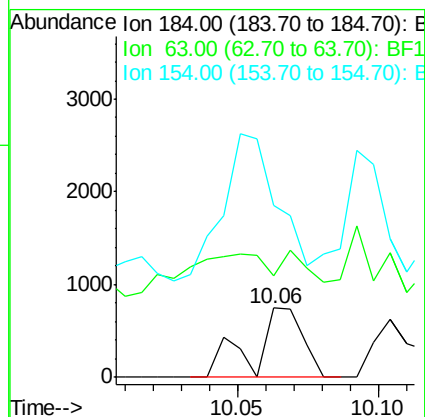
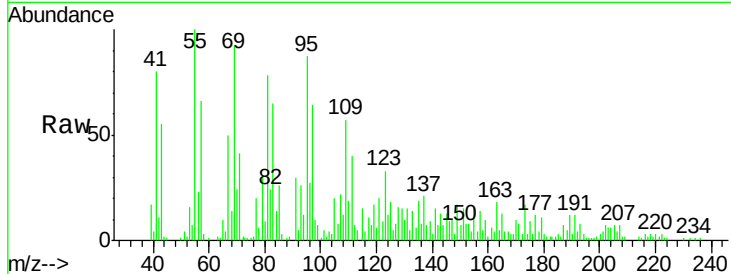




#53
 2,4-Dinitrophenol
 Concen: 6.552 ng
 RT: 10.06 min Scan# 1356
 Delta R.T. 0.15 min
 Lab File: BF104710.D
 Acq: 23 Apr 2018 15:34

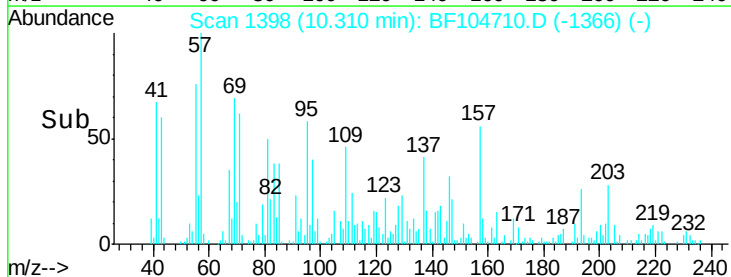
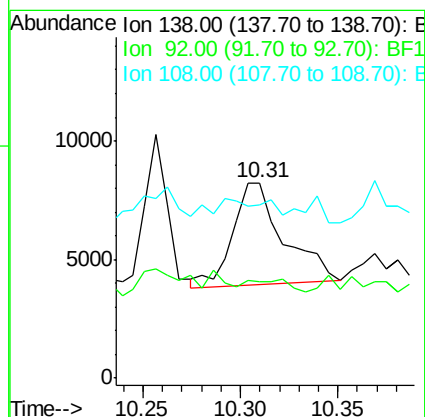
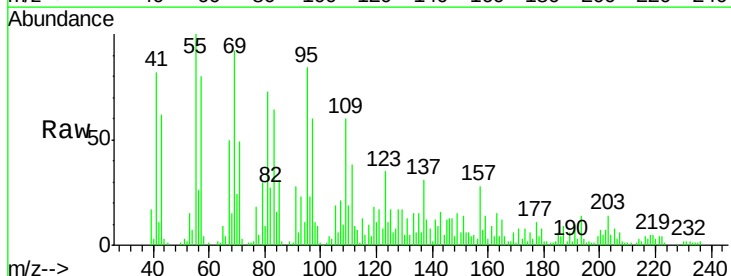
Instrument :
 BNA_F
 ClientSampleId :

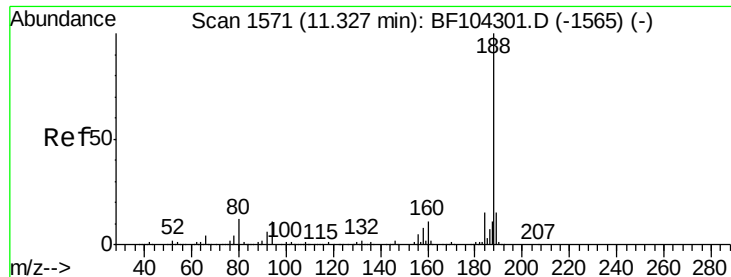
Tot Ion:184 Resp: 909
 Ion Ratio Lower Upper
 184 100
 63 147.3 54.2 81.2#
 154 247.7 184.0 276.0



#61
 4-Nitroaniline
 Concen: 2.940 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.11 min
 Lab File: BF104710.D
 Acq: 23 Apr 2018 15:34

Tgt Ion:138 Resp: 7818
 Ion Ratio Lower Upper
 138 100
 92 49.5 30.2 70.2
 108 89.0 52.5 92.5

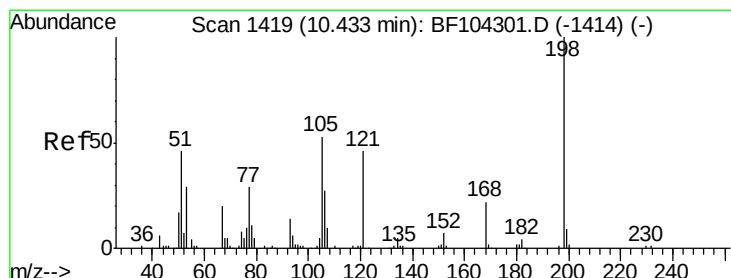
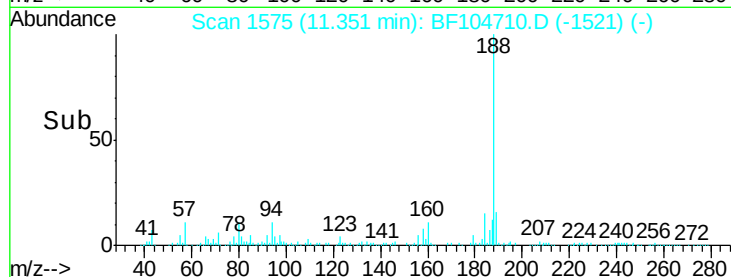
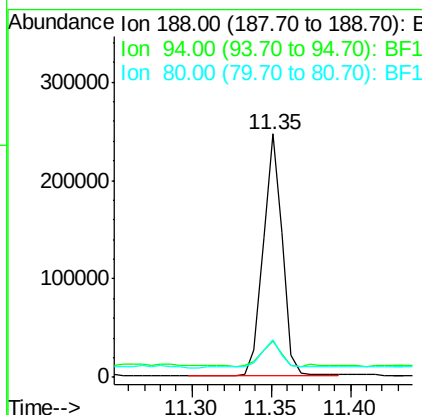
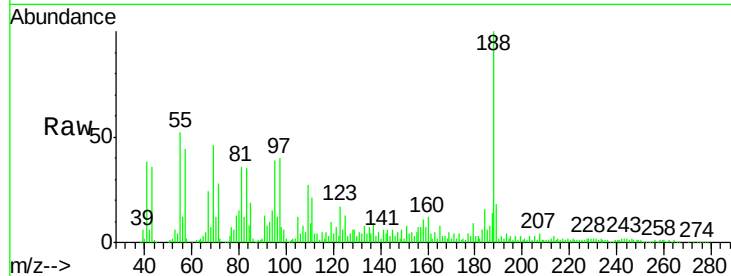




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.02 min
Lab File: BF104710.D
Acq: 23 Apr 2018 15:34

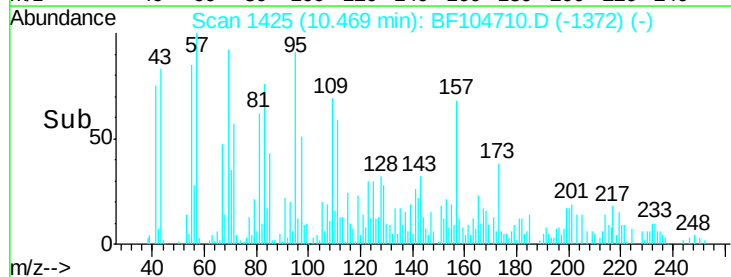
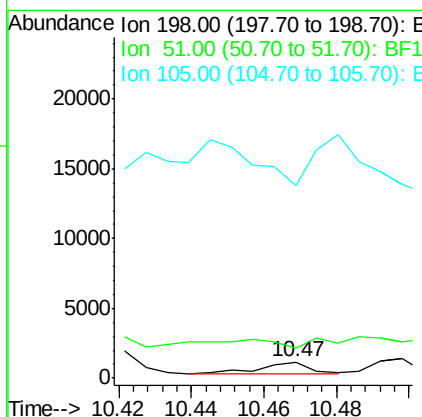
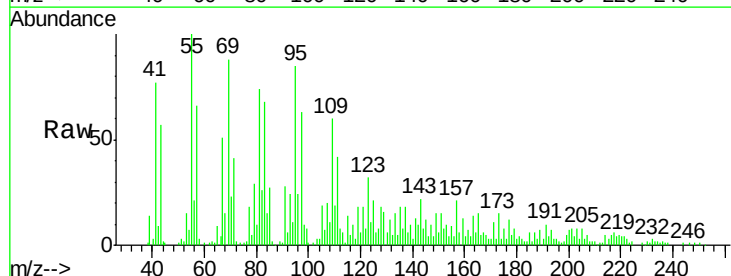
Instrument :
BNA_F
ClientSampleId :

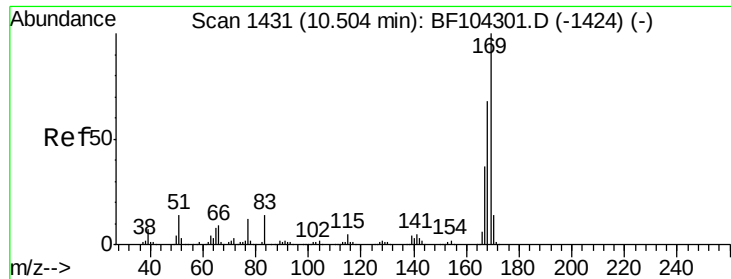
Tot Ion:188 Resp: 209110
Ion Ratio Lower Upper
188 100
94 15.1 8.5 12.7#
80 15.2 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 7.925 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF104710.D
Acq: 23 Apr 2018 15:34

Tgt Ion:198 Resp: 695
Ion Ratio Lower Upper
198 100
51 185.8 37.7 77.7#
105 1177.2 36.3 76.3#

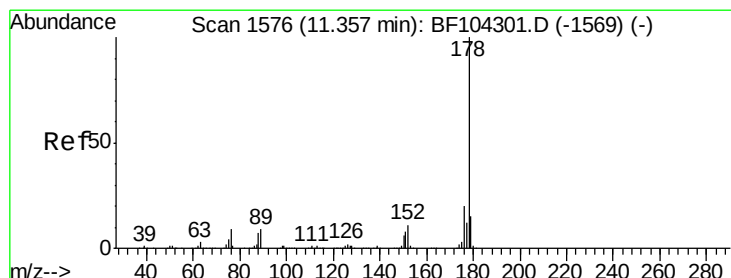
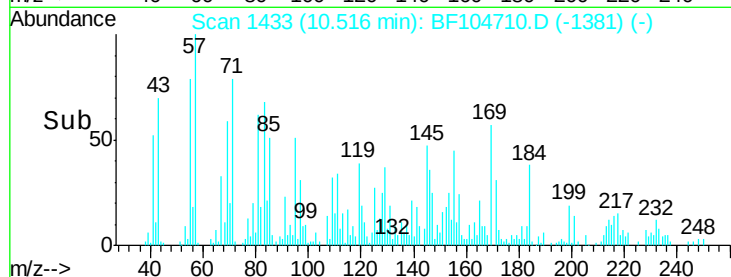
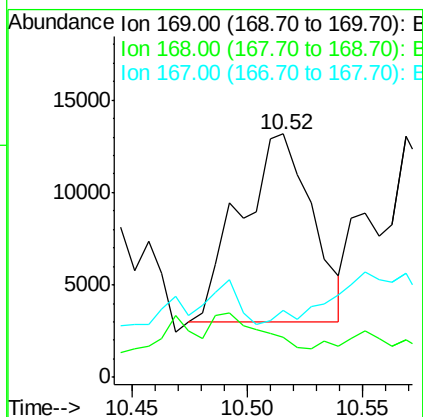
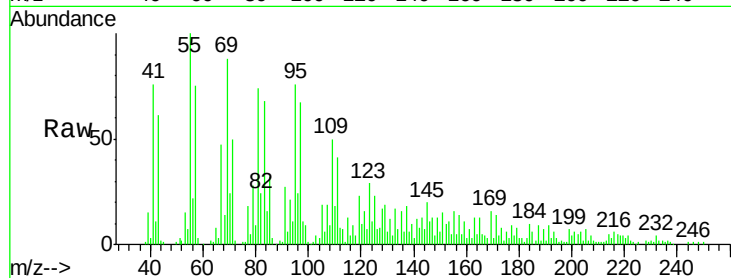




#65
 n-Nitrosodiphenylamine
 Concen: 3.022 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: BF104710.D
 Acq: 23 Apr 2018 15:34

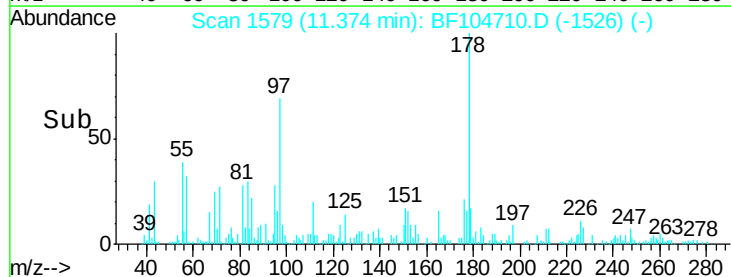
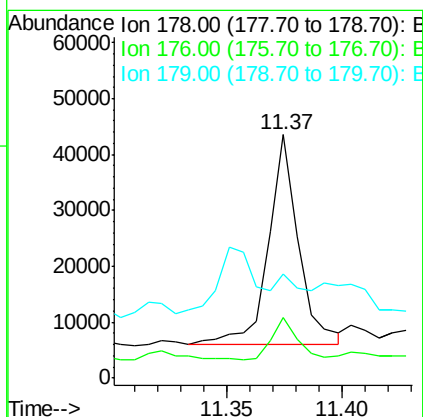
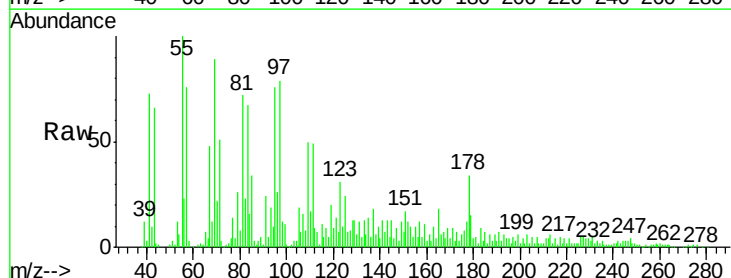
Instrument :
 BNA_F
 ClientSampled :

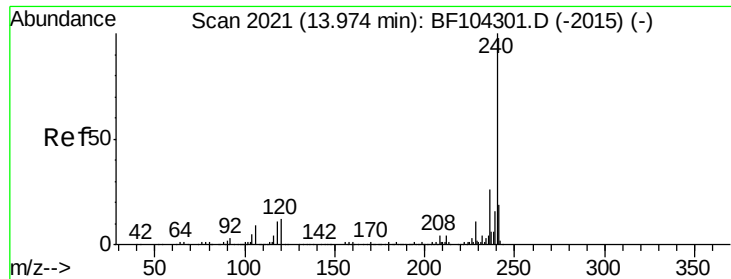
Tot Ion:169 Resp: 21914
 Ion Ratio Lower Upper
 169 100
 168 16.5 54.4 81.6#
 167 27.4 29.8 44.6#



#70
 Phenanthrene
 Concen: 2.894 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: BF104710.D
 Acq: 23 Apr 2018 15:34

Tgt Ion:178 Resp: 33704
 Ion Ratio Lower Upper
 178 100
 176 24.7 15.8 23.8#
 179 42.7 13.0 19.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

Instrument :

BNA_F

ClientSampleId :

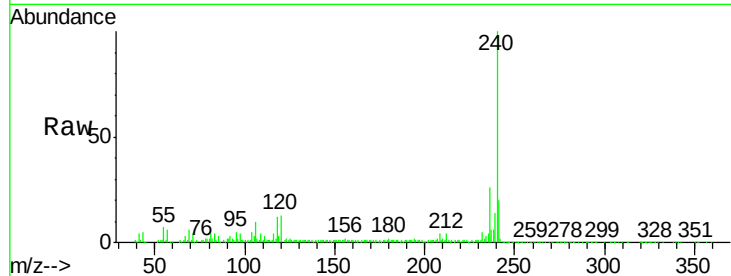
Tot Ion:240 Resp: 185135

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

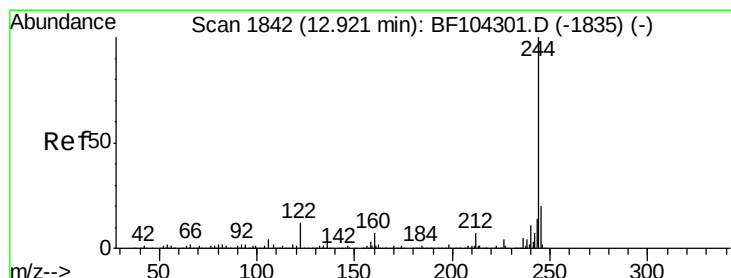
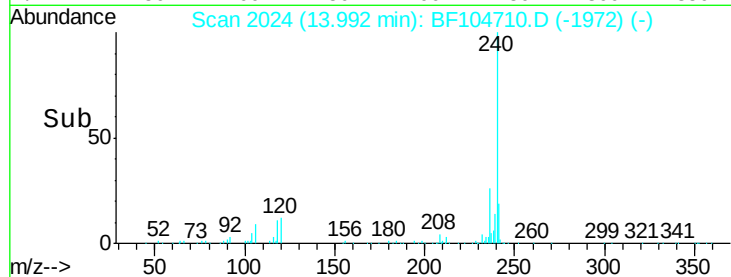
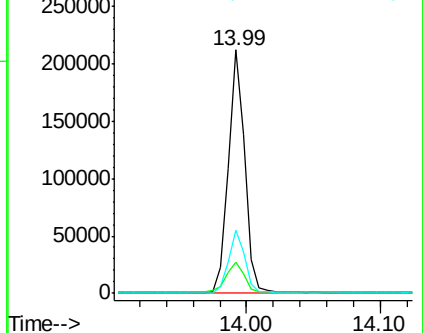
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 60.354 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.02 min

Lab File: BF104710.D

Acq: 23 Apr 2018 15:34

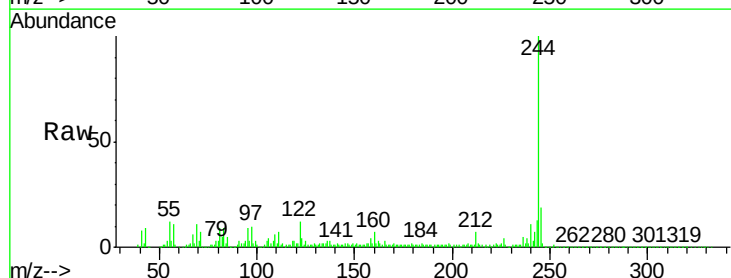
Tgt Ion:244 Resp: 490107

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

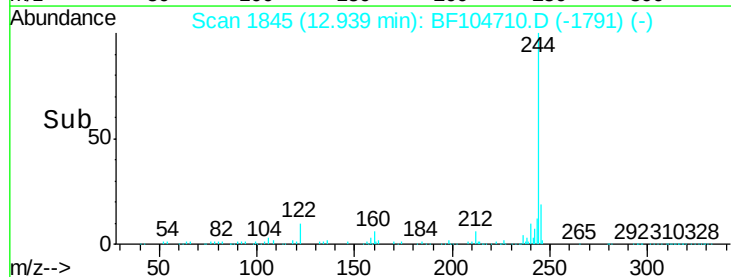
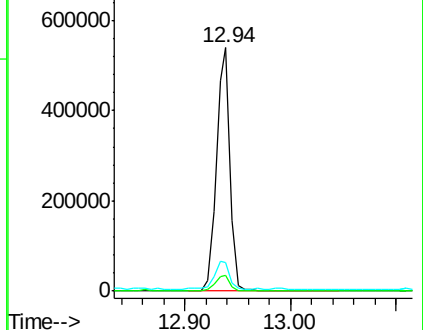
122 11.5 11.0 16.4

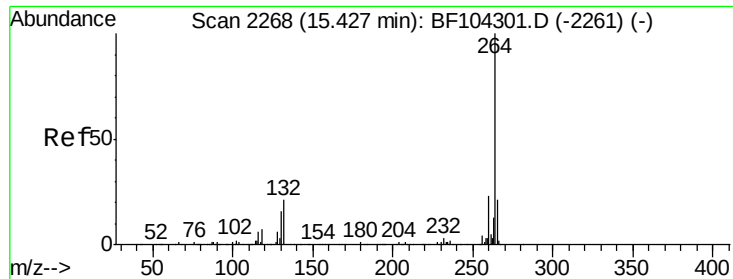


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

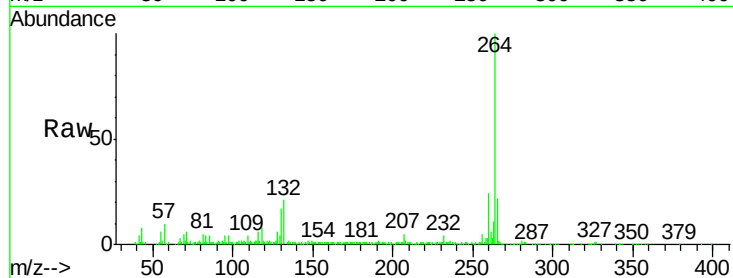




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104710.D
Acq: 23 Apr 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.1	17.5	26.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

